



Water Quality Data Table

The Town of Davie Utilities Department routinely monitors for constituents in your drinking water according to Federal and State laws. The table below shows the results of our monitoring for the period of January 1st to December 31st 2001. As you can see by the table, our system had no violations. We're proud that your drinking water meets or exceeds all Federal and State requirements.

CONTAMINANT AND UNIT OF MEASURE	MCL/AL VIOLATION Y/N	LEVEL DETECTED ²	RANGE ³	MCLG	MCL	LIKELY SOURCE OF CONTAMINANT
Inorganic Contaminants						
Copper, tap water (ppm)	N	0.105 ⁴	ND-0.12	1.3	AL= 1.3	corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.
Fluoride (ppm)	N	0.85	0.84-0.85	4	4	erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer & aluminum factories
Lead, tap water (ppb)	N	ND ⁴	ND-2	0	AL= 15	corrosion of household plumbing systems; erosion of natural deposits;
Nickel (ppb)	N	6	ND-6.0	n/a	100	Pollution from electroplating operations
Nitrate, as Nitrogen (ppm)	N	0.19	0.16-0.19	10	10	runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Sodium (ppm)	N	34.6	12.8-34.6	n/a	160	salt water intrusion; leaching from Soil
Volatile Organic Contaminants						
TTHMs (ppb)	N	47.5	25.3-80.2	0	100	by-product of drinking water Chlorination
Group II Unregulated Contaminants						
Chloroform (ppb)	N	41.24 ⁵	22.10-68.40	n/a	n/a	by-product of drinking water Chlorination
Bromodichloromethane (ppb)	N	5.55 ⁵	3.24-9.90	n/a	n/a	by-product of drinking water Chlorination
Dibromochloromethane	N	0.7 ⁵	ND-1.87	n/a	n/a	by-product of drinking water Chlorination
Radiological Contaminant						
Gross Alpha (pCi/L)	N	1.8	1.3± 0.5	0	5	erosion of natural deposits

Notes:

1. Level detected is maximum number of samples in which coliform was detected in a month. MCL is the presence of coliform bacteria in more than one sample collected during a month.
2. Level Detected is maximum detected level, unless otherwise indicated.
3. Range is the range of levels detected, from the lowest to the highest level.
4. Level detected is 90th percentile value of most recent round of sampling of 30 samples tested. No samples exceeded AL.
5. Level detected is an average of all samples.

Key to Abbreviations and Definitions:

AL = Action Level or the concentration of a contaminant which, if exceeded, triggers treatment or other requirements, which a water system must follow.

MCL = Maximum Contaminant Level (MCL) is the highest level of a contaminant that is allowed in drinking water. MCL's are set as close to the MCLG's as feasible using the best available treatment technology

MCLG = Maximum Contaminant Level Goal (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

n/a = Not Applicable

pCi/L = picocuries per liter (pCi/L) is a measure of the radioactivity in water. A picocurie is 10⁻¹² curies and is the quantity of radioactive material producing 2.22 nuclear transformations per minute.

ppm = parts per million; one part per million corresponds to one minute in 2 years or a single penny in \$10,000.

ppb = parts per billion; one part per billion corresponds to one minute in 2,000 years or a single penny in \$10,000,000.

TTHM = Total Trihalomethanes

ND = Not Detected indicates that substance was not found by laboratory analysis.